

**WHAT IS CLAIMED IS:**

1. A system for supplying a playlist response to a client device which exchanges  
2 information with an information server system over a communications network and which  
stores ads, the system comprising:

4 a playlist response generation device for generating a playlist response identifying a  
plurality of selected ads to be presented by the client device; and

6 a first communications device that effects a playlist response send communications  
link with the client device via the communications network over which the playlist response is  
8 transmitted to the client device,

wherein the information server system and the playlist server are independently  
10 controlled.

2. The system as recited in claim 1, further comprising:

2 a second communication device that effects a playlist request receive link with the  
client device via the communications network;

4 wherein the playlist response generation device further comprises a playlist generation  
device for generating a playlist included in the playlist response which identifies a plurality of  
6 selected ads to be presented by the client device in response to receipt of a playlist request.

3. The system as recited in claim 1, wherein:

2 the playlist response generated by the playlist server comprises a new playlist;  
the playlist currently employed by the client device comprises a current playlist; and  
4 the current playlist is replaced by the new playlist when the client device receives the  
new playlist.

4. The system as recited in claim 3, wherein the playlist response includes an  
2 instruction directing the client device to replace the current playlist with the new playlist.

5. The system as recited in claim 1, wherein:

2 the playlist response generated by the playlist server comprises a new playlist;  
the playlist currently employed by the client device comprises a current playlist; and  
4 the current playlist is concatenated with the new playlist when the client device  
receives the new playlist.

6. The system as recited in claim 5, wherein the playlist response includes an  
2 instruction directing the client device to concatenate the current playlist and the new playlist.

7. The system as recited in claim 1, wherein the playlist response comprises client  
2 information and a new playlist.

8. The system as recited in claim 7, wherein the client information controls the  
2 presentation of the ads by the client device.

9. The system as recited in claim 7, wherein the client information controls turnover  
2 rate of the ads presented by the client device.

10. The system as recited in claim 7, wherein:  
2 client information specifies the periodicity at which the client device generates a  
playlist request; and  
4 the playlist response generation device generates the playlist responsive to the playlist  
request.

11. The system as recited in claim 7, wherein the client information includes a  
2 minimum time separation between competing ones of the ads.

12. The system as recited in claim 7, wherein the client information includes  
2 specifications directing the manner in which the client device is to present each of the ads.

13. The system as recited in claim 7, wherein the ads include current ads and expired  
2 ads, and wherein the client information includes a minimum time period during which the  
client device presents the current ads before the client device presents the expired ads.

14. The system as recited in claim 7, wherein the ads include current ads and expired  
2 ads, and wherein the client information includes a maximum time period during which the  
client device is permitted to presents the expired ads.

15. The system as recited in claim 7, wherein the client device switches between a  
2 persistent presentation mode and a short-lived presentation mode of presenting the ads  
responsive to selected parameters included in the client information.

16. The system as recited in claim 1, wherein the playlist is check-summed at both the  
2 playlist server and the client device to thereby generate respective checksums, and wherein the  
playlist received by the client device is ignored when the respective checksums are not  
4 identical.

17. The system as recited in claim 1, wherein the selected ads each include at least one  
2 image.

18. The system as recited in claim 1, wherein the selected ads each include audio data.

19. The system as recited in claim 1, wherein:  
2 the playlist response generated by the playlist server comprises a new playlist;  
the client device employs a plurality of current playlists; and  
4 one of the current playlists is replaced by the new playlist when the client device  
receives the new playlist.

20. The system as recited in claim 19, wherein the playlist response includes an instruction directing the client device to replace one of the current playlists with the new playlist.

21. The system as recited in claim 1, wherein:  
the playlist response generated by the playlist server comprises a new playlist;  
the client device employs a plurality of current playlists; and  
at least one of the selected ads is deleted from the current playlists when the client device receives the new playlist.

22. The system as recited in claim 21, wherein the playlist response includes an instruction directing the client device to delete the at least one of the selected ads from the current playlists.

23. The system as recited in claim 21, wherein the new playlist becomes one of the current playlists when the playlist response is received by the client device.

24. A playlist server system for supplying a playlist response to a client device which exchanges information with an information server system and which receives ads from an ad server over a communications network, comprising:

a playlist response generation device for generating a playlist response identifying a plurality of selected ads to be presented by the client device; and

a first communications device that effects a playlist response send communications link with the client device via the communications network over which the playlist response is transmitted to the client device,

wherein the information server system and the playlist server are independently controlled.

25. The playlist server system as recited in claim 24, further comprising:

- 2 a second communication device that effects a playlist request receive communications  
link with the client device via the communications network;
- 4 wherein the playlist response generation device further comprises a playlist generation  
device for generating a playlist included in the playlist response which identifies a plurality of  
6 selected ads to be presented by the client device in response to receipt of the playlist request.

26. The playlist server system as recited in claim 25, further comprising:
- 2 a playlist request parsing device for extracting selected information from the playlist  
request; and
- 4 a selected information supply device for supplying the selected information to the  
playlist generation device to thereby initiate the playlist generation device.

27. The playlist server system as recited in claim 26, wherein the selected information  
2 identifies the client device as one of a hardware client device and a software client device.

28. The playlist server system as recited in Claim 26, wherein the playlist server  
2 responds to the playlist request by either by transmitting to the client device an indication that  
the current playlist is valid and does not need to be updated, or by transmitting to the client  
4 device the playlist response including a new playlist.

29. The playlist server system as recited in Claim 26, wherein the selected information  
2 includes at least one of user demographics and user/client device behavior.

30. The playlist server system as recited in Claim 29, wherein the playlist response  
2 includes a new playlist generated by the playlist server based at least partially on one of user  
demographics and/or user/client device behavior.

31. The playlist server system as recited in Claim 26, wherein the selected information  
2 includes an identification of a current playlist associated with the client device.

32. The playlist server system as recited in Claim 26, wherein:

2 the selected information comprises information stored in a user data field identifying  
current playlists controlling presentation of respective groups of the selected ads by the client  
4 device; and

the playlist response includes a new playlist generated by the playlist server based on  
6 the current playlists.

33. The playlist server system as recited in Claim 26, wherein:

2 the selected information comprises information stored in a user data field; and

the playlist response includes a new playlist generated by the playlist server based at  
4 least partially on the information contained in the user data field.

34. The playlist server system as recited in Claim 33, wherein the user data field  
2 includes information indicative of usage history of the client device.

35. The playlist server system as recited in Claim 33, wherein the user data field  
2 includes a user data field identifying the respective software operating on the client device.

36. The playlist server system as recited in Claim 35, wherein the user data field  
2 further includes information identifying an operating system of the client device on which the  
system is running.

37. The playlist server system as recited in Claim 33, wherein:

2 the user data field comprises:

a first data field including information identifying the respective software operating on  
4 the client device;

a second user data field including information identifying an operating system of the  
6 client device on which the respective software is running; and

the playlist response is generated by the playlist server based at least partially on the  
8 information contained in the first and second user data fields contained in the playlist request.

2 38. The playlist server system as recited in Claim 26, wherein the selected information includes usage data relating to the amount of time the user has used the client device over a prescribed time interval.

2 39. The playlist server system as recited in Claim 38, wherein the playlist response is generated by the playlist server based at least partially on the usage data.

2 40. The playlist server system as recited in Claim 26, wherein the selected information includes a display time remaining data field that specifies the total amount of display time required for the stored ads that remain to be presented by the client device.

2 41. The playlist server system as recited in Claim 40, wherein the playlist response is generated by the playlist server based at least partially on the display time remaining data field.

2 42. The playlist server system as recited in Claim 26, wherein the playlist request includes a display time used recently data field that specifies the total amount of times that ads were presented by the client device during a prescribed time interval.

2 43. The playlist server system as recited in Claim 42, wherein the prescribed time interval comprises the present day.

2 44. The playlist server system as recited in Claim 42, wherein the playlist response is generated by the playlist server based at least partially on the display time used recently data field.

2 45. The playlist server system as recited in Claim 44, wherein the prescribed time interval comprises the present day.

46. The playlist server system as recited in Claim 26, wherein the selected information  
2 further includes client device display screen data that specifies dimensions of a display screen  
associated with the client device.

47. The playlist server system as recited in Claim 46, wherein the dimensions include  
2 the height, width, and depth of the display screen, in pixels.

48. The playlist server system as recited in Claim 26, wherein the selected information  
2 includes a distributor ID identifying the distributor of the client device.

49. The playlist server system as recited in Claim 48, wherein the distributor ID is used  
2 in selecting at least one characteristic of the ads presented by the client device.

50. The playlist server system as recited in Claim 49, wherein the playlist response  
2 includes a new playlist identifying ads which are presentable only by the client device having  
the respective distributor ID.

51. The playlist server system as recited in Claim 26, wherein the selected information  
2 includes a list of the ad identifiers corresponding to ads that have been presented by the client  
device during a prescribed recent time interval.

52. The playlist server system as recited in Claim 51, wherein the playlist response is  
2 generated by the playlist server based at least partially on the advertisements that have been  
displayed in a prescribed recent time interval identified in the playlist request.

53. The playlist server system as recited in Claim 26, wherein the selected information  
2 includes at least two of:  
a first user data field identifying a current playlist;  
4 a second user data field identifying user demographic data;  
a third user data field identifying user/client device behavior data;



6 a fourth user data field identifying usage history of the client device;  
a fifth user data field identifying the respective software operating on the client device;  
8 a sixth user data field identifying the respective operating system of the client device;  
a seventh user data field identifying the amount of time the user has used client device  
10 over a prescribed time interval;  
an eighth user data field identifying the total amount of display time required for the  
12 stored ads that remain to be presented by the client device;  
a ninth user data field identifying the total amount of times that ads were presented by  
14 the client device during the prescribed time interval;  
a tenth user data field identifying the dimensions of a display screen associated with  
16 the client device; and  
a list of the ad identifiers corresponding to advertisements that have been displayed in  
18 the prescribed most recent time interval.

54. The playlist server system as recited in Claim 53, wherein the playlist server  
2 responds to the playlist request by either by transmitting to the client device an indication that  
the current playlist is valid and does not need to be updated, or by transmitting to the client  
4 device the playlist response including a new playlist.

55. The playlist server system as recited in Claim 53, wherein the playlist response is  
2 generated by the playlist server responsive to field data included in at least two of the first  
through tenth user data fields.

56. The playlist server system as recited in Claim 53, wherein the playlist response is  
2 generated by the playlist server responsive to one of the first through tenth user data fields and  
the list of the ad identifiers included in the selected information.

57. The playlist server system as recited in claim 26, wherein the playlist response  
2 comprises a new playlist identifying an ad type for one of the respective ads.

58. The playlist server system as recited in claim 57, wherein the ad type corresponds  
2 to a postage stamp ad.

59. The playlist server system as recited in claim 57, wherein the ad type corresponds  
2 to a toolbar ad.

60. The playlist server system as recited in claim 57, wherein the ad type corresponds  
2 to a placard ad.

61. The playlist server system as recited in claim 57, wherein the ad type indicates the  
2 timing employed by the client device in presenting the respective one of the ads.

62. The playlist server system as recited in claim 26, wherein the selected information  
2 identifies a distributor of the client device.

63. The playlist server system as recited in claim 62, wherein:  
2 the client device comprises a software client device;  
the distributor provides the respective software for instantiating the system client  
4 device; and  
the playlist response is generated by the playlist server based on the identity of the  
6 distributor.

64. The playlist server system as recited in claim 62, wherein:  
2 the client device comprises a hardware client device;  
the distributor provides the hardware client device to the user;  
4 the playlist response is generated by the playlist server based on the identity of the  
distributor.

65. The playlist server system as recited in claim 26, wherein the playlist request  
2 comprises an extensible markup language (XML) playlist request.

66. The playlist server system as recited in claim 26, wherein the playlist request  
2 parsing device employs a document type definition (DTD).

67. The playlist server system as recited in claim 66, wherein a respective DTD  
2 corresponding to one of a plurality of client device types is stored by the playlist server.

68. The playlist server system as recited in claim 66, wherein the DTD is embedded in  
2 the playlist request.

69. The playlist server system as recited in claim 63, wherein the DTD is specific to  
2 one of a plurality of client device types.

70. The playlist server system as recited in claim 26, wherein:  
2 the playlist request comprises an extensible markup language (XML) playlist request;  
the playlist request includes a document type definition (DTD) tag identifying a DTD  
4 associated with the XML playlist request;  
the playlist server stores a respective DTD corresponding to the DTD tag; and  
6 the playlist request parsing device employs the DTD corresponding to the DTD tag.

71. The playlist server system as recited in claim 26, wherein the playlist parsing  
2 device further comprises:

an extensible markup language (XML) parsing device for verifying the  
4 wellformedness of the playlist request;

a playlist analysis device receiving the playlist request after verification by the XML  
6 parsing device for generating an object;

a database driver device receiving the object for building a query from the object and  
8 applying the query to a playlist server database.

72. The playlist server system as recited in claim 71, wherein the playlist analysis  
2 device receives the output of the database driver and constructs the playlist response.

73. The playlist server system as recited in claim 71, wherein the database driver  
2 further comprises:

a database communications device that effects a communications link between the  
4 playlist analysis device and the database;

a query device for executing the query, which includes at least one SQL statement; and

6 a retrieve device for retrieving database outputs responsive to the query and providing  
the database output to the playlist analysis device.

74. The playlist server system as recited in claim 25, wherein the playlist response  
2 generation device generates one of an action command and the playlist response.

75. The playlist server system as recited in claim 74, wherein the playlist response  
2 comprises a combination of client information and a new playlist.

76. The playlist server system as recited in claim 75, wherein the new playlist  
2 comprises a name and a corresponding uniform resource name (URN) for selected ones of the  
ads.

77. The playlist server system as recited in claim 74, wherein the playlist response  
2 generation device generates the action command in response to receipt of a garbled playlist  
request.

78. The playlist server system as recited in claim 77, wherein the action command  
2 further comprises an error code directing the client device to send a new playlist request.

79. The playlist server system as recited in claim 77, wherein the action command  
2 further comprises an error message which is presentable to the user by the client device.

80. The playlist server system as recited in claim 74, wherein the action command  
2 causes the client device to delete all of the ads received by the client device responsive to a  
command issued to the playlist server by an entity controlling the playlist server.

81. The playlist server system as recited in claim 25, wherein the playlist response  
2 includes client information and a new playlist comprising a name and a corresponding uniform  
resource name (URN) for each of the selected ads.

82. The playlist server system as recited in claim 81, wherein the URN corresponds to  
2 a storage location of the respective named ad on the ad server.

83. The playlist server system as recited in claim 81, wherein the URN specifies a  
2 location on the ad server redirecting the client device to a location on another storage device  
for the respective named ad.

84. The playlist server system as recited in claim 81, wherein the URN specifies a  
2 location on the ad server redirecting the client device to an ad storage location collocated on  
the ad server for the respective named ad.

85. The playlist server system as recited in claim 81, wherein the client information  
2 controls the presentation of the ads by the client device.

86. The playlist server system as recited in claim 81, wherein the client information  
2 controls turnover rate of the ads presented by the client device.

87. The playlist server system as recited in claim 81, wherein the client information  
2 specifies the periodicity at which the client device generates the playlist request.

88. The playlist server system as recited in claim 81, wherein the client information  
2 includes a minimum time separation between competing ones of the ads.

89. The playlist server system as recited in claim 81, wherein the client information  
2 includes specifications directing the manner in which the client device is to present each of the  
ads.

90. The playlist server system as recited in claim 81, wherein the ads include current  
2 ads and expired ads, and wherein the client information includes a minimum time period  
during which the client device presents the current ads before the client device presents the  
4 expired ads.

91. The playlist server system as recited in claim 90, wherein the client information  
2 includes a maximum time period during which the client device is permitted to present the  
expired ads.

92. The playlist server system as recited in claim 81, wherein the client device  
2 switches between a persistent presentation mode and a short-lived presentation mode of  
presenting the ads responsive to selected parameters included in the client information.

93. The playlist server system as recited in claim 24, wherein:  
2 the playlist response generated by the playlist server comprises a new playlist;  
the playlist currently employed by the client device comprises a current playlist; and  
4 the current playlist is replaced by the new playlist when the client device receives the  
new playlist.

94. The playlist server system as recited in claim 93, wherein the playlist response  
2 includes an instruction directing the client device to replace the current playlist with the new  
playlist.

95. The playlist server system as recited in claim 24, wherein:  
2 the playlist response generated by the playlist server comprises a new playlist;  
the playlist currently employed by the client device comprises a current playlist; and

4 the current playlist is concatenated with the new playlist when the client device  
receives the new playlist.

2 96. The playlist server system as recited in claim 95, wherein the playlist response  
includes an instruction directing the client device to concatenate the current playlist and the  
new playlist.

2 97. The playlist server system as recited in claim 24, wherein:  
the playlist response generated by the playlist server comprises a new playlist;  
the client device employs a plurality of current playlists; and  
4 one of the current playlists is replaced by the new playlist when the client device  
receives the new playlist.

2 98. The playlist server system as recited in claim 97, wherein the playlist response  
includes an instruction directing the client device to replace one of the current playlists with  
the new playlist.

2 99. The playlist server system as recited in claim 24, wherein:  
the playlist response generated by the playlist server comprises a new playlist;  
the client device employs a plurality of current playlists; and  
4 at least one of the selected ads is deleted from the current playlists when the client device  
receives the new playlist.

2 100. The playlist server system as recited in claim 99, wherein the playlist response  
includes an instruction directing the client device to delete the at least one of the selected ads  
from the current playlists.

2 101. The playlist server system as recited in claim 99, wherein the new playlist  
becomes one of the current playlists when the playlist response is received by the client  
device.

102. The playlist server system as recited in claim 24, wherein the playlist response  
2 includes a new playlist comprising a name and a corresponding uniform resource name (URN)  
for at least one of the ads.

103. The playlist server system as recited in claim 102, wherein the URN corresponds  
2 to a storage location of the respective named ad on the ad server.

104. The playlist server system as recited in claim 102, wherein the URN specifies a  
2 location on the ad server redirecting the client device to a location on another storage device  
for the respective named ad.

105. The playlist server system as recited in claim 102, wherein the URN specifies a  
2 location on the ad server redirecting the client device to an ad storage location collocated on  
the ad server.

106. The playlist server system as recited in claim 24, wherein the playlist response  
2 includes client information and a new playlist comprising a name and a corresponding uniform  
resource name (URN) for selected ones of the ads.

107. The playlist server system as recited in claim 106, wherein:  
2 the selected ones of the ads comprise first and second ads; and  
the respective URNs for the first and second ads point to first and second ad servers on  
4 which the first and second ads are disposed.

108. The playlist server system as recited in claim 107, wherein the first ad server and  
2 the playlist server are controlled by a single entity.

109. The playlist server system as recited in claim 107, wherein the information server  
2 system and the second ad server are controlled by a single entity.



110. The playlist server system as recited in claim 24, wherein:

2 the playlist response generation device generates the playlist responsive to receipt of a playlist request; and

4 the playlist response comprises both client information and a new playlist including a name and a corresponding uniform resource name (URN) for selected ones of the ads.

111. The playlist server system as recited in claim 110, wherein the ad server  
2 comprises first and second ad servers controlled by first and second entities, and wherein the selected ones of the ads are distributed between the first and second ad servers.

112. The playlist server system as recited in claim 111, wherein the first entity controls  
2 the first ad server and the playlist server.

113. The playlist server system as recited in claim 111, wherein the information server  
2 system is controlled by a third entity independent of the first and second entities.

114. The playlist server system as recited in claim 111, wherein:  
2 the information server system comprises first and second information servers controlled by respective third and fourth entities, and  
4 the first entity is operated independently of the third and fourth entities.

115. The playlist server system as recited in claim 110, wherein the client information  
2 controls the presentation of the ads by the client device.

116. The playlist server system as recited in claim 110, wherein the client information  
2 controls turnover rate of the ads presented by the client device.

117. The playlist server system as recited in claim 110, wherein:  
2 client information specifies the periodicity at which the client device generates a playlist request; and

4 the playlist generation device generates the playlist responsive to the playlist request.

2 118. The playlist server system as recited in claim 110, wherein the client information includes a minimum time separation between competing ones of the ads.

2 119. The playlist server system as recited in claim 110, wherein the client information includes specifications directing the manner in which the client device is to present each of the ads.

2 120. The playlist server system as recited in claim 110, wherein the ads include current ads and expired ads, and wherein the client information includes a minimum time period during which the client device presents the current ads before the client device presents the expired ads.

2 121. The playlist server system as recited in claim 110, wherein the ads include current ads and expired ads, and wherein the client information includes a maximum time period during which the client device is permitted to presents the expired ads.

2 122. The playlist server system as recited in claim 110, wherein the client device switches between a persistent presentation mode and a short-lived presentation mode of presenting the ads responsive to selected parameters included in the client information.

2 123. The playlist server system as recited in claim 24, wherein the playlist is checksummed at both the playlist server and the client device to thereby generate respective checksums, and wherein the playlist received by the client device is ignored when the respective checksums are not identical.

2 124. The playlist server system as recited in claim 24, wherein the selected ads each include at least one image.

125. The playlist server system as recited in claim 24, wherein the selected ads each  
2 include audio data.

126. A playlist server system for supplying a playlist response to a client device which  
2 exchanges information with an information server system and which receives ads from an ad  
server over a communications network, the system comprising:

4 a playlist response generation device for generating a playlist response identifying a  
plurality of selected ads to be presented by the client device;

6 a playlist request parsing device for extracting selected information from the playlist  
request, said playlist request parsing device comprising:

8 an extensible markup language (XML) parsing device for verifying the  
wellformedness of the playlist request;

10 a playlist analysis device receiving the playlist request after verification by the  
XML parsing device for generating an object;

12 a database driver device receiving the object for building a query from the  
object and applying the query to a playlist server database;

14 a playlist generation device receiving an output of the database driver device for  
generating a playlist for inclusion in the playlist response which identifies a plurality of  
16 selected ads to be presented by the client device in response to receipt of a playlist request;

18 a selected information supply device for supplying the selected information to the  
playlist response generation device to thereby initiate the playlist generation device;

20 a first communications device that effects a playlist response send communications  
link with the client device via the communications network over which the playlist response is  
transmitted to the client device; and

22 a second communication device that effects a playlist request receive communications  
link with the client device via the communications network,

24 wherein the information server system and the playlist server are independently  
controlled.

127. The playlist server system as recited in claim 126, wherein the selected  
2 information identifies the client device as one of a hardware client device and a software client  
device.

128. The playlist server system as recited in Claim 126, wherein the selected  
2 information includes at least one of user demographics and user/client device behavior.

129. The playlist server system as recited in claim 126, wherein the database driver  
2 further comprises:

a database communications device that effect a communications link between the  
4 playlist analysis device and the database;

a query device for executing the query, which includes at least one SQL statement; and

6 a retrieve device for retrieving database outputs responsive to the query and providing  
the database output to the playlist analysis device.

130. The playlist server system as recited in Claim 126, wherein:  
2 the selected information comprises client information identifying current playlists  
controlling presentation of respective groups of the selected ads by the client device; and  
4 the playlist response includes a new playlist generated by the playlist server based on  
the current playlists.

131. The playlist server system as recited in Claim 126, wherein:  
2 the selected information comprises client information; and  
the playlist response includes a new playlist generated by the playlist server based at  
4 least partially on the client information contained in the playlist request.

132. The playlist server system as recited in Claim 131, wherein the client information  
2 includes information indicative of usage history of the client device.

2 133. The playlist server system as recited in Claim 131, wherein the client information  
includes a user data field identifying the respective software operating on the client device.

2 134. The playlist server system as recited in Claim 133, wherein the user data field  
further includes information identifying an operating system of the client device on which the  
system is running.

2 135. The playlist server system as recited in Claim 131, wherein:  
the client information includes a user data field; and  
4 the playlist response is generated by the playlist server based at least partially on the  
client information contained in the playlist request.

2 136. The playlist server system as recited in Claim 126, wherein the selected  
information includes usage data relating to the amount of time the user has used the client  
device over a prescribed time interval.

2 137. The playlist server system as recited in Claim 136, wherein the playlist response  
is generated by the playlist server based at least partially on the usage data.

2 138. The playlist server playlist server system as recited in Claim 126, wherein the  
selected information includes a display time remaining data field that specifies the total  
amount of display time required for the stored ads that remain to be presented by the client  
4 device.

2 139. The playlist server system as recited in Claim 138, wherein the playlist response  
is generated by the playlist server based at least partially on the display time remaining data  
field.

140. The playlist server system as recited in Claim 126, wherein the playlist request  
2 includes a display time used recently data field that specifies the total amount of times that ads  
were presented by the client device during a prescribed time interval.

141. The playlist server system as recited in Claim 140, wherein the prescribed time  
2 interval comprises the present day.

142. The playlist server system as recited in Claim 140, wherein the playlist response  
2 is generated by the playlist server based at least partially on the display time used recently data  
field.

143. The playlist server system as recited in Claim 142, wherein the prescribed time  
2 interval comprises the present day.

144. The playlist server system as recited in Claim 126, wherein the selected  
2 information further includes client device display screen data that specifies dimensions of a  
display screen associated with the client device.

145. The playlist server system as recited in Claim 144, wherein the dimensions  
2 include the height, width, and depth of the display screen, in pixels.

146. The playlist server system as recited in Claim 126, wherein the selected  
2 information includes a distributor ID identifying the distributor of the client device.

147. The playlist server system as recited in Claim 146, wherein the distributor ID is  
2 used in selecting at least one characteristic of the ads presented by the client device.

148. The playlist server system as recited in Claim 146, wherein the playlist response  
2 includes a new playlist identifying ads which are presentable only by the client device having  
the respective distributor ID.

149. The playlist server system as recited in Claim 126, wherein the selected  
2 information includes a list of the ad identifiers corresponding to ads that have been presented  
by the client device during a prescribed recent time interval.

150. The playlist server system as recited in Claim 149, wherein the playlist response  
2 is generated by the playlist server based at least partially on the advertisements that have been  
displayed in a prescribed recent time interval identified in the playlist request.

151. The playlist server system as recited in Claim 126, wherein the selected  
2 information includes at least two of:

- a first user data field identifying a current playlist;
- 4 a second user data field identifying user demographic data;
- a third user data field identifying user/client device behavior data;
- 6 a fourth user data field identifying usage history of the client device;
- a fifth user data field identifying the respective software operating on the client device;
- 8 a sixth user data field identifying the respective operating system of the client device;
- a seventh user data field identifying the amount of time the user has used client device

10 over a prescribed time interval;

an eighth user data field identifying the total amount of display time required for the  
12 stored ads that remain to presented by the client device;

a ninth user data field identifying the total amount of times that ads were presented by  
14 the client device during the prescribed time interval;

a tenth user data field identifying the dimensions of a display screen associated with  
16 the client device; and

a list of the ad identifiers corresponding to advertisements that have been displayed in  
18 the prescribed most recent time interval.

152. The playlist server system as recited in Claim 151, wherein the playlist server  
2 responds to the playlist request by either by transmitting to the client device an indication that

the current playlist is valid and does not need to be updated, or by transmitting to the client  
4 device the playlist response including a new playlist.

153. The playlist server system as recited in Claim 151, wherein the playlist response  
2 is generated by the playlist server responsive to field data included in at least two of the first  
through tenth user data fields.

154. The playlist server system as recited in Claim 151, wherein the playlist response  
2 is generated by the playlist server responsive to one of the first through tenth user data fields  
and the list of the ad identifies included in the selected information.

155. The playlist server system as recited in claim 126, wherein the playlist response  
2 comprises a new playlist identifying an ad type for one of the respective ads.

156. The playlist server system as recited in claim 155, wherein the ad type  
2 corresponds to a postage stamp ad.

157. The playlist server system as recited in claim 155, wherein the ad type  
2 corresponds to a toolbar ad.

158. The playlist server system as recited in claim 155, wherein the ad type  
2 corresponds to a placard ad.

159. The playlist server system as recited in claim 155, wherein the ad type indicates  
2 the timing employed by the client device in presenting the respective one of the ads.

160. The playlist server system as recited in claim 126, wherein the selected  
2 information identifies a distributor of the client device.

161. The playlist server system as recited in claim 160, wherein:



2 the client device comprises a software client device;  
the distributor provides the respective software for instantiating the system client  
4 device; and  
the playlist response is generated by the playlist server based on the identity of the  
6 distributor.

162. The playlist server system as recited in claim 160, wherein:  
2 the client device comprises a hardware client device;  
the distributor provides the hardware client device to the user;  
4 the playlist response is generated by the playlist server based on the identity of the  
distributor.

163. The playlist server system as recited in claim 126, wherein the playlist request  
2 comprises an extensible markup language (XML) playlist request.

164. The playlist server system as recited in claim 126, wherein the playlist request  
2 parsing device employs a document type definition (DTD).

165. The playlist server system as recited in claim 164, wherein a respective DTD  
2 corresponding to one of a plurality of client device types is stored by the playlist server.

166. The playlist server system as recited in claim 164, wherein the DTD is embedded  
2 in the playlist request.

167. The playlist server system as recited in claim 166, wherein the DTD is specific to  
2 one of a plurality of client device types.

168. The playlist server system as recited in claim 126, wherein:  
2 the playlist request comprises an extensible markup language (XML) playlist request;

the playlist request includes a document type definition (DTD) tag identifying a DTD  
4 associated with the XML playlist request;  
the playlist server stores a respective DTD corresponding to the DTD tag; and  
6 the playlist request parsing device employs the DTD corresponding to the DTD tag.

169. The playlist server system as recited in claim 126, wherein the playlist analysis  
2 device receives the output of the database driver and constructs the playlist response.

170. The playlist server system as recited in claim 126, wherein:  
2 the playlist response generated by the playlist server comprises a new playlist;  
the client device employs a plurality of current playlists; and  
4 one of the current playlists is replaced by the new playlist when the client device  
receives the new playlist.

171. The playlist server system as recited in claim 170, wherein the playlist response  
2 includes an instruction directing the client device to replace one of the current playlists with  
the new playlist.

172. The playlist server system as recited in claim 126, wherein:  
2 the playlist response generated by the playlist server comprises a new playlist;  
the client device employs a plurality of current playlists; and  
4 at least one of the selected ads is deleted from the current playlists when the client  
device receives the new playlist.

173. The playlist server system as recited in claim 172, wherein the playlist response  
2 includes an instruction directing the client device to delete the at least one of the selected ads  
from the current playlists.

174. The playlist server system as recited in claim 172, wherein the new playlist  
2 becomes one of the current playlists when the playlist response is received by the client  
device.

5